

# The Contest JUG



NEWSLETTER OF THE  
NORTHERN CALIFORNIA CONTEST CLUB  
44 Toyon Terrace  
Danville, CA 94526  
October 1986

No. 172

PRESIDENT: WR6R  
VP/CC: W7MAP  
SEC/TREAS: NV6Z  
MEMBERSHIP: W6REC

AWARDS: K6ZM  
FINANCE: WA6AUE  
JUG EDITOR: W6SZN  
DIRECTORS: WA6VEF, W6REC, KA6ING

**WEDNESDAY WEEKLY NET AT 3825 kHz, 8:00 PM**

**W6R66, 147.240 MHz, NCCC REPEATER**

## FROM THE PREZ

OCTOBER 20, 1986 AT 6:30 PM AT THE C.W.A. MEETING HALL ON MISSION STREET SOUTH OF INDUSTRIAL STREET IN HAYWARD PROMISES TO BE AN INTERESTING MEETING AS W7MAP WILL BE PRESENTING CQWW ALONG WITH A TALK BY N6BT. TO ADD SOME SPICE TO ALL THIS, KA6ING WILL PREPARE SOME INTERESTING DINNER SALADS (CHICKEN, SHRIMP, BANANA, AND GREEK), ALONG WITH TOASTED FRENCH BREAD, FOR \$ 5.00 TO HELP THE CLUB'S TREASURY. GRAB A FRIEND AND COME ON DOWN AND HAVE SOME FUN WITH THE REST OF US!

AT THE PACIFIC DIVISION CONVENTION IN SAN JOSE ON OCTOBER 4, 1986, MYSELF, N6AUV, N6KT, AND WA6VEF, ALL GIVE A TALK ABOUT CONTESTING AT A CONTEST FORUM. A LOT OF NEW FACES WERE IN THE CROWD. IF YOU KNOW OF ANY NON MEMBERS THAT ARE INTERESTED IN CONTESTING, THIS IS THE BEST TIME TO ENCOURAGE THEM TO ATTEND A CLUB MEETING AS MULTI-MULTI'S AND MULT-SINGLE'S ARE NEEDING OPERATORS FOR BOTH MODES IN CQWW AND IT'S A GREAT PLACE TO LEARN.

THE BOARD, THANKS TO THE SUGGESTION OF N6AUV, HAS COME UP WITH A NOVEL APPROACH FOR SWEEPSTAKES WHICH SHOULD INTEREST THOSE WHO CAN'T STAND SS ON SUNDAY BUT LIKE TO GET ON AND HAVE SOME FUN. THE DETAILS ARE ENCLOSED IN THIS MONTH'S JUG.

AT THIS YEAR'S XMAS BANQUET IN LOS ALTOS ON DECEMBER 13, 1986, (YES, DURING THE 10 METER CONTEST) THE PROGRAM IS BEING PLANNED AROUND THE CONCEPT THAT EVERY NCCC STATION IN CQWW TAKE A SLIDE OF THE OPERATOR(S), STATION, ANTENNA, ETC AND HAVE THEIR 3 SLIDES SHOWN AT THE BANQUET. MANY OF US NEVER GET TO VISIT MOST OF THE MEMBERS STATION'S AND THIS WOULD BE A NICE WAY FOR EVERYONE TO SHARE THEIR SHACK WITH THE CLUB. PLEASE SEND THEM TO W7MAP ALONG WITH A SMALL DESCRIPTION THAT CAN BE READ AT THE BANQUET. WE WILL NOT ASK ANYONE TO STAND UP AND DISCUSS THEIR STATION ALONG WITH THEIR SLIDES AS THIS WOULD TAKE TOO MUCH TIME (WE HOPE EVERYONE JOINS IN)



## BOARD MINUTES OF OCTOBER 2, 1986

1. THE BOD MEETING AT THE RANCH RESTAURANT IN HAYWARD BEGAN AT 7:30 PM WITH WR6R, WA6VEF, W7MAP, W6REC, K6ZM, AND N6AUV PRESENT. MINUTES WERE TAKEN BY WR6R.
2. W7MAP DISCUSSED PLANS FOR CQWW - N6BT AND W7MAP WILL BE SPEAKERS AT OCTOBER MEETING. EVERY MEMBER WILL BE NOTIFIED TO PITCH IN AND CONTRIBUTE THEIR SCORE IN CQWW FOR NCCC.
3. WR6R INDICATED THAT KA6ING HAS OFFERED TO PREPARE A DINNER SALAD AND TOASTED FRENCH BREAD AT THE OCTOBER MEETING. SELECTIONS WILL BE CHICKEN, SHRIMP, BANANA, AND GREEK. PRICE WILL BE \$ 5.00. R.S.V.P. TO KA6ING VIA 2 METERS WAS REQUESTED.
4. WC6I WILL COORDINATE W6TI REPEATER (147.360) FOR CQWW.
5. WA6VEF'S MOTION FOR A FRAMED CERTIFICATE FOR ANY MEMBER WITH 500 QSOS IN BOTH MODES FOR CQWW OR BOTH MODES IN WPX WAS SECOND BY WR6R AND PASSED UNANIMOUSLY.
6. WA6VEF'S MOTION THAT ALL OPERATORS AT THE HIGHEST SCORING MULTI-MULTI/SINGLE RECEIVE A FRAMED CERTIFICATE WAS SECOND BY WR6R AND PASSED UNANIMOUSLY.
7. N6AUV PRESENTED AWARDS TO BE GIVEN FOR SS OF CALIFORNIA WINE. WA6VEF PROPOSED BOTH MODES BE INCLUDED AND N6AUV BE IN CHARGE OF SS AWARDS, WITH THE COST OF THE AWARDS SHARED WITH N6AUV AND THE NCCC. SECOND BY WR6R AND PASSED UNANIMOUSLY.
8. WR6R PROPOSED MEMBERS SUBMIT SLIDES OF OPERATORS, STATIONS, ETC OF CQWW TO BE PRESENTED AT XMAS DINNER. SECOND BY W7MAP AND PASSED UNANIMOUSLY.
9. THE NOVEMBER BOD WILL BE NOV 6, 1986, AT THE RANCH RESTAURANT IN HAYWARD AT 6:30 PM.
10. THE MEETING ADJOURNED AT 8:50 PM



## CQP '86: Post-Game Wrap-up

Wow, what a showing!!!!

There can be no doubt--this was simply the biggest California QSO Party ever. W6s formed a brick wall of RF from 14220 to 14300 KHz both days of the contest. Twenty and forty CW sounded like a CW Sprint. Average California single-op scores increased to levels attained way back in 1982, despite little or no propagation on 10 or 15 meters. And out of state scores are way, way up--it appears that at least 400 total QSOs will be necessary to make the out-of-state Top Ten. All 58 California counties were on for the test--N6TR got 'em all, while both K1AR and KM3T found 57. And, as of October 6th, just a bit more than one week after the Party, I've received no less than 98 logs. I think my mailman is beginning to dislike me!

As of this writing, the top claimed single-op score for California belongs to Mark, WA6OTU, operating from W6AQ. Mark attained 2,106 total QSOs, with 475 CW contacts. Second place of the high claimed scores in CA is N6BV at 2078x58, followed in third by the N6BT (WA6VEF op) portable expedition from Kings County at 2054x58. Outside of California, N6TR/7 is reporting 1,030x58, which represents the first time anyone from out-of-state has achieved more than 1,000 QSOs in the CQP. Second place is claimed by KM3T with 609x57, which is the biggest score ever made from east of the Mississippi. Rumor has it that AA4NC, K4LTA, WA5DTK, KS3F, WC4E, and N5JB are all in at about the 500 QSO level--just, just remarkable. Look for complete CQP results to appear in the JUG sometime in the next three months or so.

Two very special achievements are worth noting. First, Adam, N6QR, out to prove that the CQP is NOT JUST an SSB contest, made 1,001x57 QSOs, ALL of them on the code mode. Second, a big hats off to Mac, W6BSY, who braved, as I understand it, a pretty bad snowstorm to put Alpine County on the air for the contest.

In sum, I want to thank and congratulate each of you who got on the air to make the CQP such a big success, especially those of you who journeyed to put on some of our rarer counties. I'd also like to acknowledge these people who worked "behind the scenes" for this year's contest:

Jim WA6AUE  
Alex KI6EZ  
Steve WC6I  
Chuck W7MAP—  
Tim NU6S  
George K6SG

Ron N6AUV  
Mike WE6G  
Louese KA6ING  
Mike K6MBV  
Jim W6SHS  
Dennis NE6I

Jim W6CF  
John K6GSS  
Doug WW6D  
Duane W6REC  
Kip W6SZN  
Randy K52D  
(National Contest  
Journal)

73,

  
Gary Caldwell WA6VEF

Cal QSO Party: Early Returns  
Compiled by KA6ING and WA6VEF

|                       |                       |                      |
|-----------------------|-----------------------|----------------------|
| K6CSL.....155 x 32    | WX6M.....696 x 53     | K6XO/M.....250 x ?   |
| KD6XY                 | WR6R (+WE6G           | NV6Z.....1238 x 58   |
| (KA6ING op)..32 x 22  | & K4UVT)....538 x ?   | N6TR/7.....1030 x 58 |
| VE2AQS/W6...1020 x 58 | K6LRN.....511 x 55    | K6ILM.....206 x 48   |
| N6QR.....1001 x 57    | WV6U.....25 x 18      | WC6H (WC6I           |
| W6SZN.....213 x 47    | W7XA/6.....50 x 25    | (& W7MAP)..1621 x 58 |
| N6BV.....2078 x 58    | N6BT                  | K6KLY.....201 x 45   |
| WB6EXW.....254 x 54   | (WA6VEF op).2054 x 58 | K6XN.....248 x 40    |
| K6TMB.....589 x 57    | N6AUV.....300 x ?     | W6SYL.....160 x 33   |
| W6KZJ.....160 x 41    | K6GSS/KH6....200 x 52 | KB6WP.....12 x 7     |
| W6MFZ.....320 x 53    | N6KT.....100 x 18     | WW6F                 |
| K6HTM.....503 x 48    | W6REC.....1485 x 58   | (+ K6ANP) 635 x 50   |
| AD6E.....175 x 37     | K6ZM.....200 x ?      | AI6V.....1950 x 58   |
| K6RK.....1000 x 58    | NE6I.....1075 x 58    | W6UE                 |
| W6AQ                  | K1AR.....367 x 57     | (WA6OTU)...2106 x 58 |
| (AA6RX op).1945 x 58  | KM3T.....609 x 57     | N6CQ/3.....382 x 56  |
| WA5DTK.....487 x 54   | NB6L.....170 x 53     | W6DPD.....153 x 36   |
| N6NF.....988 x 58     | N6GG.....316 x 46     | N6EK.....278 x 48    |
| W8SH                  |                       |                      |
| (WA6DGX op).100 x 35  |                       |                      |

Other NCCCers known to have been active in the CQP: AJ6V, K6HIH, K6PJY, K6XV, N6ZB (+ KS6H), W6FSJ, W6YKM, W6UA, AA6G, W6BSY, WA6ITV, K4TKM/6, K6PU, N1EE/6, N6JV, N6ESV, N6OP/M, N6RZ (+ N6TU), K3EST/6, K5OS/6, KI6EZ, W6OKK, W6KH, W6OWQ, W6RGG, WA6AUE, W6BH, W6ISQ, CE3AQI/w6, K6MA (at K6YA), N7NG, W6NV, W6OAT, N6QC (at WB6EGE), K6SIK, AK6T, AE6U, K6YT/7, N6DA.

WORKED AND HEARD ON THE NET

24 SEPT 86

K6XO  
W6OWQ  
W6SZN  
WR6R  
K6ZM  
K6LRN  
W6REC  
N6AUV  
AK6T  
K6ANP  
WW6F  
WW6D  
WA6VEF  
W7MAP  
K6GSS

1 OCT 86

WA6VEF  
W7MAP  
WW6F  
K6ANP  
N6AUV  
WX6M (KB6JK)  
WR6R  
K6LRN  
K6HTM  
K6ZM  
AD6E



# AWARDS FOR CQWW AND WPX

This year the NCCC will reward the deserving stations in each mode with plaques in the following categories for CQWW and WPX:

Single Operator (Domestic)  
Multi-Multi (Domestic)

Single Operator (DX)  
Multi-Single (DX)

Furthermore, framed certificates will be issued to each single operator with 500 QSOS (both modes combined). Certificates will also be issued to each operator at each winning multi-multi/single in it's class.

As in the past, the winner in the highest award category will not receive an award in the lower classification.

Good Luck and KBI

|        |            |                       |
|--------|------------|-----------------------|
| N6RO   | 331x43(PH) | <u>SPRINT RESULTS</u> |
| AD6E   | -----      | 286x35(CW)            |
| K6XO   | 168x32(PH) | 135x28(CW)            |
| W6SZN  | -----      | 181x29(CW)            |
| WR6R   | 185x41(PH) | 267x34(CW)            |
| K6LRN  | 136x24(PH) | -----                 |
| W6REC  | 228x34(PH) | 153x38(CW)            |
| WA6AUE | -----      | 85x22(CW)             |
| W7MAP  | 198x26(PH) | 187x32(CW)            |
|        |            | -----                 |

## 5 MILLION POINT AWARD

Standings at the end of September are as follows:

|       |        |
|-------|--------|
| WC6I  | 53,940 |
| N6EK  | 38,112 |
| K6MBV | 13,298 |

Dont forget to copy me on your CAL QSO PARTY logs for the 5 Million Point Award! Please send a separte summary sheet plainly marked for this contest. Also, Sprint summaries count toward this award so lets send them in!!!

NORTHERN CALIFORNIA CONTEST CLUB  
SWEEPSTAKE CHALLENGE

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Interested in winning a bottle of WINE from the N.C.C.C. CELLARS?...  
LISTEN ON....

November is a busy Contest Month; World Wide SSB & CW, Sweepstakes CW & SSB and who knows what other Amateur Radio Activities....

Contesters and Casual Operators LOVE IT... Wives, Family and other Folks that vie for your time dispise it and YOU.... Sooooo....

For those of you who are forced into rational thinking, the N.C.C.C. is offering a Solution to your Dilemma!!! "THE N.C.C.C. S.S. CHALLENGE"

The N.C.C.C. S.S. Challenge allows competition over the first 12-Hours of operating time... Not the entire 24-Hour Contest. Of course, those who are operating the entire 24-Hours may submit their first 12-Hours of operation to round out the PRIZE CATEGORIES!

To protect the dwindling 1986 N.C.C.C. Cellar - only single operators are eligible.

PRIZE CATEGORIES:

Two Major Areas - N.C.C.C. Members and NON-N.C.C.C. Members! Non-member winners must reside within 150 miles of the Club Center which is Danville, California.

N.C.C.C. MEMBERS:

Twenty-Four Hour Level: Winners of High and Low Power categories each get one bottle from the N.C.C.C. Cellar.

Twelve-Hour Level: Top three winners in High and Low Power categories each get one bottle from the N.C.C.C. Cellar

Non-Club Members - Top winners in High and Low Power categories each get one bottle from the N.C.C.C. Cellar.

ELIGIBILITY FOR PRIZES

To be eligible for prizes, a copy of your Summary Sheet must be received by the N.C.C.C. ~~Chairman~~ <sup>**RACING**</sup> Chairman within the same time frame as your Log and Summary Sheet is required by QST. All QST Sweepstake rules apply and winners must be published in QST.

Prizes will be awarded at the N.C.C.C. Annual Awards Banquet normally held in April 1987. This delay allows additional ageing of the PRIZES.....And should allow QST to publish the final results.

For additional information access the N.C.C.C. Repeater (147.84 - .24) or utilizing the N.C.C.C. Wednesday Night Net (approximately 3825 KHZ) at 8:00 P.M. local time.

73,

  
Ron...N6AUV





### PLANS - Continued

- WR6R - Al's off to Hawaii once again. Best wishes Al K.B.,  
and say "Hi" to George!
- K4UVT - Bob's at 8P9 for CW weekend.
- W6KG/QL - Lloyd and Iris are to be at 3B8. Wow!
- W7XA - Either at home or AG6D.

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Others that may need operators include:

- AA6T - Lloyd mentioned in August that he is seeking  
operators. Good luck, Lloyd!
- NA6T - Bob Smith will operate from home.

Best Wishes and K.B. to all involved! Chuck W7MAP

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### N1EE TAKES 8TH PLACE IN WORLD AT THE 1986 ARRL CW DX CONTEST!

Scott Lieberman (N1EE, alias C6ADR) came in 8th place worldwide in this year's ARRL DX test for CW. He managed this remarkable feat with nothing more than a barefoot TS-9305 and a dipole! Operating from a cramped utility room on the roof of the Grand Hotel added spice to the visit.

Coming in 8th with only 32 hours of operating time under the above conditions really deserves kudos from all of us. Though the Bahamas is a nice place to visit (especially when a convention helps offset the expenses!), it may be a bit too close for a low sunspot year. On the high bands, the closest station Scott worked on 15 South Dakota!

| THE SCORE CARD  |       |        |        |        |        |     |
|-----------------|-------|--------|--------|--------|--------|-----|
|                 | 160   | 80     | 40     | 20     | 15     | 10  |
| C6ADR 1,161,831 | 76/25 | 351/49 | 380/48 | 869/55 | 177/32 | 0/0 |



# The 1986 CQ World-Wide DX Contest

Phone: October 25-26 & C.W.: November 29-30  
Starts 0000 GMT Saturday Ends 2400 GMT Sunday

**I. OBJECTIVE:** For amateurs around the world to contact other amateurs in as many zones and countries as possible.

**II. BANDS:** All bands, 1.8 through 28 MHz, except for WARC bands.

## III. TYPE OF COMPETITION:

1. Single Operator (single band and all band). Single operator stations are those at which one person performs all of the operating, logging, and spotting functions. The use of DX spotting nets or any other form of DX alerting assistance places the station in the Multi-Operator category.

2. Multi-Operator (all band operation only).

a. Single Transmitter, only one transmitter and one band permitted during the same time period (defined as 10 minutes). *Exception: One—and only one—other band may be used during the same time period if—and only if—the station worked is a new multiplier. Logs found in violation of the ten-minute rule will be automatically reclassified as multi-multi to reflect their actual status.*

b. Multi-Transmitter (no limit to transmitters but only one signal per band permitted).

c. All transmitters must be located within a 500 meter diameter or within the property limits of the station licensee's address, whichever is greater. The antennas must be physically connected by wires to the transmitter.

3. QRPp (single operator only). Power must not exceed 5 watts output. Stations in this category will be competing only with other QRPp stations for awards.

4. Team Contesting. A team consists of any five radio amateurs operating in the single operator category. A person can be on only one team per mode. A team must operate from two continents. Competing on a team will not prevent any team member from submitting his personal score for a radio club. A team score will be the sum of all the team member scores. S.S.B. and C.W. teams are totally separate. That is, a member of an S.S.B. team can be on a totally different C.W. team. A list of a team's members must be received by October 15 for S.S.B. and November 15 for C.W. Send the list to CQ, Attn: Team Contest, 76 North Broadway, Hicksville, NY 11801 U.S.A. Awards will be given to the top teams on each mode. A list of a team's members' scores plus the total team score must be submitted to CQ by the normal contest log deadlines.

**IV. NUMBER EXCHANGE:** Phone: RS report plus zone (i.e., 5705). C.W.: RST report plus zone (i.e., 57905).

*A station in a zone or country different than that indicated by its call sign is required to sign portable.*

**V. MULTIPLIER:** Two types of multiplier will be used.

1. A multiplier of one (1) for each different zone contacted on each band.

2. A multiplier of one (1) for each different country contacted on each band.

Stations are permitted to contact their own country and zone for multiplier credit. The CQ Zone Map, DXCC country list, WAE country list, and WAC boundaries are standards.

**VI. POINTS:** 1. Contacts between stations on different continents are worth three (3) points.

2. Contacts between stations on the same continent but different countries, one (1) point. *Exception: For North American stations only, contacts between stations within the North American boundaries count two (2) points.*

3. Contacts between stations in the same country are permitted for zone or country multiplier credit but have zero (0) point value.

**VII. SCORING:** All stations: the final score is the result of the total QSO points multiplied by the sum of your zone and country multiplier.

*Example: 1000 QSO points × 100 multiplier (30 Zones + 70 Countries) = 100,000 (final score).*

**VIII. AWARDS:** First place certificates will be awarded in each category listed under Sec. III in every participating country and in each call area of the United States, Canada, Asiatic USSR, and Japan.

All scores will be published. To be eligible for an award, a Single Operator station must show a minimum of 12 hours of operation. Multi-operator stations must operate a minimum of 24 hours. A single-band log is eligible for a single-band award only. If a log contains more than one band it will be judged as an all-band entry, unless specified otherwise.

In countries or sections where the returns justify, 2nd and 3rd place awards will be made.

All certificates and plaques will be issued to the licensee of the station used.

## IX. TROPHIES & PLAQUES (Donors) PHONE

### Single Operator, All Band

World—Dave Rosen, K2GM—WA2RAU Memorial  
World—QRPp—Adrian Weiss, K8EEG/0  
U.S.A.—Potomac Valley Radio Club  
Carib./C.A.—Alex M. Kasevich, VP2MM  
Europe—Potomac Valley R.C. - W4BVV Memorial  
Africa—Gordon Marshall, W6RFP

\*Asia—Japan CQ Magazine

\*Japan—Japan Crazy Contesters Club

Oceania—No. California DX Club

S. America—David Novoa, KP4AM

### Single Operator, Single Band

World—North Jersey DX Assn., K2HLB Memorial

\*World—21 MHz—Lee Wical, KH8BZF

World—3.8 MHz—Fred Capossela, K6SSS

U.S.A.—28 MHz—Donald Thomas, N6DT

U.S.A.—3.8 MHz—Arnold Tamchin, W2HCW



U.S.A.—So. California DX Club

\*Canada—Gene Krehbiel, VE7KB

Carib./C.A.—Pedro Piza, Jr., NP4A—KP4ES Memorial

Europe—28 MHz Zone 14 —A. G. Anderson, GM3BCL

Japan—21 MHz—DX Family Foundation

**Multi-Operator, Single Transmitter**

World—So. Calif. DX Club—W6AM Memorial

U.S.A.—Carolina DX Association

Europe—Box Cox, K3EST/8

\*Canada—Calgary Amateur Radio Assn.

**Multi-Operator, Multi-Transmitter**

World—Radio Club Venezolano

U.S.A.—DX Incorporated Club

Europe—OH-DX-RING—OH2AM

**Contest Expeditions**

World—Single Opr.—Stuart Meyer, W2GHK

World—Multi-Opr.—The German CDXG & SDXG  
(DJ3NG & DJ4EI Memorial)

**C.W.**

**Single Operator, All Band**

World—Albert Kahn, K4FW—W2AB Memorial

World—QRPP—Gene Walsh, N2AA

U.S.A.—Frankford Radio Club

\*Canada—Canadian DX Association

Carib./C.A.—Peter Munroe, WB1DQC

Europe—Edward Bissell, W3AU

Africa—Gordon Marshall, W6RR

\*Asia—Japan CQ Magazine

\*Japan—Japan Crazy Contesters Club

Oceania—Maui Amateur Radio Club

\*So. Amer.—Venezuela DX Club—YV5AAZ Memorial

**Single Operator, Single Band**

World—North Jersey DX Assn.—W2JT Memorial

World—3.5 MHz—Fred Caposella, K6SSS

World—1.8 MHz—Chip Margell, K7JA—KP4ES Memorial

U.S.A.—No. Illinois DX Association

\*Canada—Canadian Amateur Radio Federation

Carib./C.A.—DX Club of Puerto Rico

Europe—Southern New England DX Club

Australia—14 MHz—Jay Carr, W6FAY

\*Japan—21 MHz—DX Family Foundation

**Multi-Operator, Single Transmitter**

World—Anthony Susen, W3AOH

U.S.A.—Douglas Zwiebel, KR2Q

Europe—Friends of K3AO—K3AO Memorial

**Multi-Operator, Multi-Transmitter**

World—Hazard Reeves, K2GL

U.S.A.—James Rafferty, N6RJ

Europe—OH-DX-RING—OH2AM

**Contest Expeditions**

World—Single-Opr.—Yankee Clipper Contest Club

World—Multi-Opr.—Bill Schneider, K2TT

**Special—Single Operator Awards**

World—All Band—SSB/CW—John Knight, W6YY

World—Single Band SSB/CW—Yuri Blanzovich, VE3BMV

World—All Band—CW—Most QSOs—KV4AA Memorial

(From the 14270 kHz Group)

Club

World—SSB/CW—CQ Magazine

\*Trophy supplied by Donor.

Trophy winners may win the same trophy only once in a two-year period. In the event that the same station wins the World Award in the same category in two consecutive years, a spe-

cial CQ Magazine Championship plaque will be awarded the second year. The sponsored trophy in that category will then be awarded to the second-place finisher in that category if the returns justify the award.

A station winning a World Trophy will not be considered for a sub-area award. That Trophy will be awarded to the runner-up of that area.

The Canadian and Carib./C.A. awards are for residents only. A resident is defined as one living in that country with an established Post Office address.

**X. CLUB COMPETITION:**

1. The club must be a local group and not a national organization.

2. Participation is limited to members operating within a local geographic area defined as within a 275 km radius from center of club area (except for DXpeditions especially organized for operation in the contest).

3. To be listed, a minimum of 3 logs must be received from a club and an officer of the club must submit a list of participating members and their scores, both on phone and c.w.

**XI. LOG INSTRUCTIONS:**

1. All times must be in GMT.

2. All sent and received exchanges are to be logged.

3. Indicate zone and country multiplier only the FIRST TIME it is worked on each band.

4. Logs must be checked for duplicate contacts, correct QSO points and multipliers. Submitted logs must have duplicate contacts clearly shown. The original log may be requested by the Contest Committee if further cross-checking of the log is necessary.

5. Use a separate sheet for each band.

6. Each entry must be accompanied by a summary sheet showing all scoring information, category of competition, contestant's name and address in BLOCK LETTERS, and a signed declaration that all contest rules and regulations for amateur radio in the country of operation have been observed.

7. Sample log and summary sheets and zone maps are available from CQ. A large self-addressed envelope with sufficient postage or IRC's must accompany your request.

If official forms are not available, make up your own 80 contacts to the page on 8 1/2" x 11" paper.

8. All entrants are required to submit cross-check sheets for each band on which 200 or more QSO's were made. All other entrants are encouraged to submit cross-check sheets.

9. Duplicate contact penalty: up to 1%—three (3) additional contacts removed; 1% to 3%—ten (10) additional contacts removed; over 3% is grounds for possible disqualification.

10. QRPP stations must indicate same on their summary sheets and state the actual maximum power output used, with a signed declaration.

**XII. DISQUALIFICATION:** Violation of amateur radio regulations in the country of the contestant, or the rules of the contest; unsportsmanlike conduct; taking credit for excessive duplicate contacts; unverifiable QSO's; or unverifiable multipliers will be deemed sufficient cause for disqualification. (Incorrectly logged calls will be counted as unverifiable contacts.)

An entrant whose log is deemed by the Committee to contain a large number of discrepancies may be disqualified from eligibility for an award, both as a participant operator or station, for one year. If an operator is disqualified a second time within 5 years, he will be ineligible for any CQ contest awards for 3 years.

Actions and decisions of the CQ Contest Committee are official and final.

**XIII. DEADLINE:** All entries must be postmarked NO LATER than December 1, 1986 for the Phone section and January 15, 1987 for the C.W. section. An extension may be given if requested. Indicate phone or c.w. on envelope.

Both phone and C.W. logs should be sent to CQ Magazine, 76 North Broadway, Hicksville, NY 11801.



Year 

# World Wide DX Contest

Last Full Weekend of October (Phone) &amp; November (CW)

Call Sign Country 

Mode:

☐ Phone☐ Single Op., All Band☐ Multi-Op. Single Transmitter☐ QRPp [ 5W or Less ]☐ CW☐ Single Op. \_\_\_\_ MHz☐ Multi-Op. Multi-Transmitter

| QSO's<br>(minus duplicates) |   | QSO Points | Zone<br>Multiplier | Country<br>Multiplier | Score |           |
|-----------------------------|---|------------|--------------------|-----------------------|-------|-----------|
| 1.8 MHz                     | → |            | X                  | +                     | =     | 1.8 MHz   |
| 3.5 MHz                     | → |            | X                  | +                     | =     | 3.5 MHz   |
| 7.0 MHz                     | → |            | X                  | +                     | =     | 7.0 MHz   |
| 14 MHz                      | → |            | X                  | +                     | =     | 14 MHz    |
| 21 MHz                      | → |            | X                  | +                     | =     | 21 MHz    |
| 28 MHz                      | → |            | X                  | +                     | =     | 28 MHz    |
| All Bands                   | → |            | X                  | +                     | =     | All Bands |

How to score: QSO Points X (Zones + Countries) = FINAL SCORE

EXAMPLE: 1000 QSO Points X (30 Zones + 70 Countries) = 100,000 points

Station Description: \_\_\_\_\_

Antenna(s) \_\_\_\_\_

Operators \_\_\_\_\_

Remarks (Biggest thrill in Contest, funniest story, comments, etc.) \_\_\_\_\_

Club Competition / Minimum 3 logs \_\_\_\_\_

This is to certify that in this contest I have operated my transmitter within the limitations of my license and have observed fully the rules and regulations of the contest.

TYPE or PRINT

Signature \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State or Country \_\_\_\_\_ Zip \_\_\_\_\_

Logs must be postmarked no later than December 1st for PHONE and January 15th for CW. Indicate PHONE or CW on envelope.

Mail all logs to the appropriate addresses indicated in the current contest rules. Do not mail logs to CQ Headquarters.

Note: Duplicate QSO's can mean disqualification!



Page

MHz Band

MHz Band

[illegible]

| Zone | Countries | Points |
|------|-----------|--------|
|------|-----------|--------|



### Country-Zone Multiplier Check-list, Call:

| 160 80 40 20 15 10 |  |  |  |  | 160 80 40 20 15 10 |  |  |  |      | 160 80 40 20 15 10 |  |  |       |  | 160 80 40 20 15 10 |  |      |  |  |
|--------------------|--|--|--|--|--------------------|--|--|--|------|--------------------|--|--|-------|--|--------------------|--|------|--|--|
| A2                 |  |  |  |  | HK                 |  |  |  | S9   |                    |  |  | XE    |  |                    |  | 8P6  |  |  |
| A35                |  |  |  |  | HKWB               |  |  |  | SM   |                    |  |  | XF4   |  |                    |  | 8Q7  |  |  |
| A4X                |  |  |  |  | HKWm               |  |  |  | SP   |                    |  |  | XT2   |  |                    |  | 8R1  |  |  |
| A51                |  |  |  |  | HKWb               |  |  |  | ST   |                    |  |  | XU    |  |                    |  | 8Z4  |  |  |
| A6X                |  |  |  |  | HL                 |  |  |  | STW  |                    |  |  | XV    |  |                    |  | 9A   |  |  |
| A7X                |  |  |  |  | HP                 |  |  |  | SU   |                    |  |  | XW8   |  |                    |  | 9G1  |  |  |
| A9X                |  |  |  |  | HR                 |  |  |  | SV   |                    |  |  | XZ    |  |                    |  | 9H   |  |  |
| AP                 |  |  |  |  | H5                 |  |  |  | SV/A |                    |  |  |       |  |                    |  | 9J2  |  |  |
| BV                 |  |  |  |  | HV                 |  |  |  | SV/c |                    |  |  | Y2-9  |  |                    |  | 9K2  |  |  |
| BY                 |  |  |  |  | HZ                 |  |  |  | SV/d |                    |  |  | YA    |  |                    |  | 9L1  |  |  |
| C21                |  |  |  |  | I                  |  |  |  | T2   |                    |  |  | YB    |  |                    |  | 9M2  |  |  |
| C31                |  |  |  |  | IS9                |  |  |  | T31  |                    |  |  | YI    |  |                    |  | 9M8  |  |  |
| C5A                |  |  |  |  | IT9                |  |  |  | T32  |                    |  |  | YJ8   |  |                    |  | 9N1  |  |  |
| C6                 |  |  |  |  | J2                 |  |  |  | T3P  |                    |  |  | YK    |  |                    |  | 9Q5  |  |  |
| C9M                |  |  |  |  | J3                 |  |  |  | TA   |                    |  |  | YN    |  |                    |  | 9U5  |  |  |
| CE                 |  |  |  |  | J5                 |  |  |  | TF   |                    |  |  | YO    |  |                    |  | 9V1  |  |  |
| CE9A               |  |  |  |  | J6                 |  |  |  | TG   |                    |  |  | YS    |  |                    |  | 9X5  |  |  |
| CE9Z               |  |  |  |  | J7                 |  |  |  | TI   |                    |  |  | YU    |  |                    |  | 9Y4  |  |  |
| CE9X               |  |  |  |  | J8                 |  |  |  | TI9  |                    |  |  | YV    |  |                    |  |      |  |  |
| CO                 |  |  |  |  | JA                 |  |  |  | TJ1  |                    |  |  | YVE   |  |                    |  | ET/A |  |  |
| Q1                 |  |  |  |  | JD1m               |  |  |  | TL8  |                    |  |  | ZA    |  |                    |  |      |  |  |
| CP                 |  |  |  |  | JD1o               |  |  |  | TN8  |                    |  |  | ZB2   |  |                    |  |      |  |  |
| CR9                |  |  |  |  | JT                 |  |  |  | TR8  |                    |  |  | ZD7   |  |                    |  |      |  |  |
| CT                 |  |  |  |  | JW                 |  |  |  | TT8  |                    |  |  | ZD8   |  |                    |  |      |  |  |
| CT2                |  |  |  |  | JW b               |  |  |  | TU2  |                    |  |  | ZD9   |  |                    |  |      |  |  |
| CT3                |  |  |  |  | JX                 |  |  |  | TY   |                    |  |  | ZZ    |  |                    |  |      |  |  |
| CX                 |  |  |  |  | JY                 |  |  |  | T2   |                    |  |  | ZF    |  |                    |  |      |  |  |
| D2A                |  |  |  |  | K/N                |  |  |  |      |                    |  |  | ZK1   |  |                    |  |      |  |  |
| D4C                |  |  |  |  | KC6e               |  |  |  | UA   |                    |  |  | ZK1M  |  |                    |  |      |  |  |
| D6A                |  |  |  |  | KC6w               |  |  |  | UK1P |                    |  |  | ZK2   |  |                    |  |      |  |  |
| DJ                 |  |  |  |  | KG4                |  |  |  | UA2  |                    |  |  | ZL    |  |                    |  |      |  |  |
| DU                 |  |  |  |  | KH1                |  |  |  | UA8  |                    |  |  | ZL/A  |  |                    |  |      |  |  |
| EA                 |  |  |  |  | KH2                |  |  |  | UB5  |                    |  |  | ZL/C  |  |                    |  |      |  |  |
| EA6                |  |  |  |  | KH3                |  |  |  | UC2  |                    |  |  | ZL/K  |  |                    |  |      |  |  |
| EA8                |  |  |  |  | KH4                |  |  |  | UD6  |                    |  |  | ZM7   |  |                    |  |      |  |  |
| EA9                |  |  |  |  | KH5                |  |  |  | UF6  |                    |  |  | ZP    |  |                    |  |      |  |  |
| E1                 |  |  |  |  | KH5k               |  |  |  | UG6  |                    |  |  | ZS    |  |                    |  |      |  |  |
| EL                 |  |  |  |  | KH6                |  |  |  | UH8  |                    |  |  | ZS2M  |  |                    |  |      |  |  |
| EP                 |  |  |  |  | KH7                |  |  |  | UI8  |                    |  |  | ZS3   |  |                    |  |      |  |  |
| ET                 |  |  |  |  | KH8                |  |  |  | UJ8  |                    |  |  | 1A8   |  |                    |  |      |  |  |
| F                  |  |  |  |  | KH9                |  |  |  | UL7  |                    |  |  | 1S    |  |                    |  |      |  |  |
| FB8W               |  |  |  |  | KH9                |  |  |  | UM8  |                    |  |  | 3A    |  |                    |  |      |  |  |
| FB8X               |  |  |  |  | KL7                |  |  |  | UN1  |                    |  |  | 3B6   |  |                    |  |      |  |  |
| FB8Z               |  |  |  |  | KP1                |  |  |  | UO5  |                    |  |  | 3B8   |  |                    |  |      |  |  |
| FC                 |  |  |  |  | KP2                |  |  |  | UP2  |                    |  |  | 3B9   |  |                    |  |      |  |  |
| FG7                |  |  |  |  | KP4                |  |  |  | UQ2  |                    |  |  | 3C    |  |                    |  |      |  |  |
| FH8                |  |  |  |  | KP4D               |  |  |  | UR2  |                    |  |  | 3C8   |  |                    |  |      |  |  |
| FK8                |  |  |  |  | KX6                |  |  |  |      |                    |  |  | 3D2   |  |                    |  |      |  |  |
| FM7                |  |  |  |  | LA                 |  |  |  | V2   |                    |  |  | 3D6   |  |                    |  |      |  |  |
| FOB                |  |  |  |  | LU                 |  |  |  | V3   |                    |  |  | 3V8   |  |                    |  |      |  |  |
| FO9X               |  |  |  |  | LU32               |  |  |  | VE   |                    |  |  | 3X    |  |                    |  |      |  |  |
| FP8                |  |  |  |  | LX                 |  |  |  | VE1p |                    |  |  | 3Y    |  |                    |  |      |  |  |
| FR7                |  |  |  |  | LZ                 |  |  |  | VE1s |                    |  |  |       |  |                    |  |      |  |  |
| FR7G               |  |  |  |  | OA                 |  |  |  | VR   |                    |  |  | 4S7   |  |                    |  |      |  |  |
| FR7J               |  |  |  |  | OD5                |  |  |  | VK21 |                    |  |  | 5U1TU |  |                    |  |      |  |  |
| FR7T               |  |  |  |  | OE                 |  |  |  | VK9X |                    |  |  | 5U1UM |  |                    |  |      |  |  |
| FS7                |  |  |  |  | OH                 |  |  |  | VK9Y |                    |  |  | 4W    |  |                    |  |      |  |  |
| FW8                |  |  |  |  | OH9                |  |  |  | VK9Z |                    |  |  | 4X    |  |                    |  |      |  |  |
| FY7                |  |  |  |  | OJ9                |  |  |  | VK9m |                    |  |  |       |  |                    |  |      |  |  |
| G                  |  |  |  |  | OK                 |  |  |  | VK9N |                    |  |  | 5A    |  |                    |  |      |  |  |
| GD                 |  |  |  |  | ON                 |  |  |  | VK9h |                    |  |  | 5B    |  |                    |  |      |  |  |
| G1                 |  |  |  |  | OX                 |  |  |  | VK9m |                    |  |  | 5H3   |  |                    |  |      |  |  |
| G3                 |  |  |  |  | OY                 |  |  |  | VP2E |                    |  |  | 5N    |  |                    |  |      |  |  |
| G5                 |  |  |  |  | OZ                 |  |  |  | VP2K |                    |  |  | 5R8   |  |                    |  |      |  |  |
| GM/s               |  |  |  |  | P29                |  |  |  | VP2M |                    |  |  | 5T5   |  |                    |  |      |  |  |
| GU                 |  |  |  |  | PA                 |  |  |  | VP2V |                    |  |  | 5U7   |  |                    |  |      |  |  |
| GW                 |  |  |  |  | -B3                |  |  |  | VP5  |                    |  |  | 5V    |  |                    |  |      |  |  |
| H44                |  |  |  |  | PJ7/H              |  |  |  | VP8  |                    |  |  | 5W1   |  |                    |  |      |  |  |
| HA                 |  |  |  |  | PY                 |  |  |  | VP8g |                    |  |  | 5X5   |  |                    |  |      |  |  |
| HB9                |  |  |  |  | PY9E               |  |  |  | VP8o |                    |  |  | 5Z4   |  |                    |  |      |  |  |
| HD9                |  |  |  |  | PY8m               |  |  |  | VP9  |                    |  |  | 6O    |  |                    |  |      |  |  |
| HC                 |  |  |  |  | PY9c               |  |  |  | VQ9  |                    |  |  | 6W8   |  |                    |  |      |  |  |
| HCB                |  |  |  |  | PZ                 |  |  |  | VR6  |                    |  |  | 6Y5   |  |                    |  |      |  |  |
| HH                 |  |  |  |  | S2                 |  |  |  | VS5  |                    |  |  | 7O    |  |                    |  |      |  |  |
| HI                 |  |  |  |  | S79                |  |  |  | VS6  |                    |  |  | 7P8   |  |                    |  |      |  |  |
|                    |  |  |  |  |                    |  |  |  | VU   |                    |  |  | 7Q7   |  |                    |  |      |  |  |
| CS                 |  |  |  |  |                    |  |  |  | VU/a |                    |  |  | 7X    |  |                    |  |      |  |  |
| KC4, B31           |  |  |  |  | KP3                |  |  |  | VU/1 |                    |  |  |       |  |                    |  |      |  |  |
|                    |  |  |  |  |                    |  |  |  |      |                    |  |  |       |  |                    |  |      |  |  |
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### MA-40

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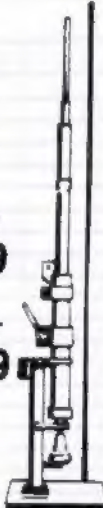
- Handles 10 sq. ft. at 50 mph
- Pleases neighbors with tubular streamlined look

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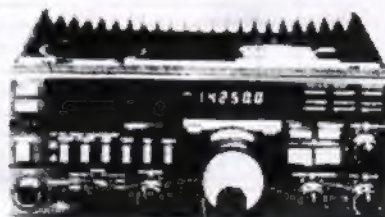
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